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UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

Docket No. 500451-1005

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission

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TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450 86 U.S. PT

Alexandria, VA 22313-1450 Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an experimental control of the control invention entitled: APPARATUS AND METHOD FOR PHOTOVOLTAIC ENERGY PRODUCTION BASED ON INTERNAL CHARGE EMISSION IN A SOLID-STATE HETEROSTRUCTURE and invented by: Eric W. McFarland If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information: ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 10/057,223 Which is a: ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: □ Continuation Which is a: ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: Enclosed are: **Application Elements** ☒ Filing fee as calculated and transmitted as described below Specification having 66 pages and including the following: a. 🛛 Descriptive Title of the Invention Cross References to Related Applications (if applicable) b. 🛛 Statement Regarding Federally-sponsored Research/Development (if applicable) c. 🔲 d. 🔲 Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix e. 🗵 Background of the Invention f. 🛛 Brief Summary of the Invention g. 🛛 Brief Description of the Drawings (if filed) h. 🔀 **Detailed Description** i. 🔀 Claim(s) as Classified Below i. 🛛 Abstract of the Disclosure

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	b.		Informal	Number of S	Sheets				_		
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	C.	\boxtimes	With Power o	f Attorney	☐ Withou	ut Power o	of Atto	orney			
	d.		DELETION O Signed staten see 37 C.F.R	nent attached	deleting inve	entor(s) na	amed	d in the prio	r applicatio	on,	
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7. 8.			Application Data Sheet (See 37 CFR 1.76) Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)								
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	b.		Specification								
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	C.		Statement(s)		ntical Paper a	and Comp	uter	Readable C	Сору		
				A	ccompanyin	g Applica	ation	Parts			
9.		Ass	ignment Paper	s (cover shee	et & documer	nt(s))					
10.		37 (37 CFR 3.73(B) Statement (when there is an assignee)								
11.		Eng	English Translation Document (if applicable)								
12.		Info	Information Disclosure Statement/PTO-1449								
13.	\boxtimes	Prel	iminary Amend	dment							
14.	X	Retu	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)								
15.		Cert	Certified Copy of Priority Document(s) (if foreign priority is claimed)								
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		Accompanying Application Parts (Continued)
17.	X	Applicant claims small entity status. See 37 CFR 1.27.
		☐ (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted:
18.		Additional Enclosures (please identify below):
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
19 .		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
		Warning
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Fee Calculation and Transmittal

CLAIMS AS FILED Rate Fee #Filed #Allowed #Extra For \$108.00 \$9.00 32 - 20 = 12 **Total Claims** \$43.00 \$1,247.00 29 32 - 3 = Indep. Claims Х \$0.00 Multiple Dependent Claims (check if applicable) **BASIC FEE** \$385.00 \$0.00 OTHER FEE (specify purpose) **TOTAL FILING FEE** \$1,740.00 A check in the amount of to cover the filing fee is enclosed. \$1,740.00 ☑ The Director is hereby authorized to charge and credit Deposit Account No. 50-0856 as described below. as filing fee. ☐ Charge the amount of ☑ Credit any overpayment. ○ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Dated: 12/31/03

Dallas, TX 75225

Michael A. O'Neil Michael A. O'Neil, P.C. 5949 Sherry Lane, Suite 820

CC: Leonard Judson, Esq.

500451-1005 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Continuation application based on prior application:

Inventors:

Eric W. McFarland

Serial No.:

10/057,223

Filing Date:

January 25, 2002

Group No.:

1753

Examiner:

Alan D. Diamond

For:

APPARATUS AND METHOD FOR PHOTOVOLTAIC ENERGY PRODUCTION BASED ON INTERNAL CHARGE EMISSION IN A

SOLID-STATE HETEROSTRUCTURE

M/S: PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

REQUEST FOR FILING A CONTINUATION APPLICATION UNDER 37 C.R.F. § 1.63

This is a request for filing a continuation application under 37 C.F.R. § 1.63, of pending prior application Serial No. 10/057,223 filed on January 25, 2002.

Enclosed is a copy of the latest signed prior application and Declaration and Power of Attorney.

A Verified Statement to establish small entity status under 37 C.F.R. § 1.9 was filed in the prior application and such status is still proper and desired.

The inventor of the invention being claimed in this application is Eric W. McFarland.

The prior application has been assigned to Adrena, Inc.

I hereby verify that the attached papers are a true copy of prior application Serial No. 10/057,223 filed January 25, 2002, and further that all statements made herein are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Before calculating the filing fee, please enter the Preliminary Amendment attached hereto.

The filing fee is calculated as below:

For	Number Filed	Number Extra	Rate	Fee
Total Claims	32- 20	12	\$9.00	\$108.00
Independent Claims	32- 3	29	\$43.00	\$1,247.00
Basic Filing Fee				\$385.00
Multiple Dependent Claim	0	0	\$260.00	\$0.00
TOTAL FILING FEE				\$1,740.00

Enclosed is a check in the amount of \$1,740.00 in payment of the filing fee. If any additional fees are owed, the commissioner is hereby authorized to charge any fees which may be required or credit any overpayment to Deposit Account No. 50-0856.

Enclosed is a Preliminary Amendment.

The Power of Attorney in the prior application is to Michael A. O'Neil. The Power appears in the original papers in the prior application.

We request that all correspondence be addressed to:

Michael A. O'Neil Michael A. O'Neil, P.C. 5949 Sherry Lane, Suite 820 Dallas, Texas 75225

and that all telephone calls be directed to Mr. O'Neil at (214) 739-0088.

Respectfully submitted,

MICHAEL A. O'NEIL, P.C.

Michael A. O'Neil

Registration No. 23,007

Date: December

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